This Page Is Inserted by IFW Operations and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents will not correct images, please do not report the images to the Image Problem Mailbox.



PATENT

Attorney Docket No.: ICE-019CP1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT:

Saed

SERIAL NO.:

10/641,371

GROUP NO.:

Not yet assigned

FILING DATE:

August 13, 2003

EXAMINER:

Not yet assigned

TITLE:

ADAPTIVE PREDISTORTION FOR A TRANSMIT SYSTEM WITH

GAIN, PHASE AND DELAY ADJUSTMENTS

CERTIFICATE OF FIRST CLASS MAILING UNDER 37 C.F.R. 1.8

I hereby certify that this correspondence, and any documents referred to as enclosed herein, are being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 9th day of December, 2003.

Nicole Deane

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Submitted herewith are:

- 1.) Transmittal Form (1 pg.);
- 2.) Executed Power of Attorney by Assignee of Entire Interest Revocation of Prior Powers and New Power of Attorney (3 pgs.);
- 3.) Assignment (2 pgs.); and
- 4.) Return Receipt Postcard.

OIPE							
			Application Serial Number		10/641,371		
	DEC 1 1 2003		Filing Date		August 13, 2003		
Zala Zala			First Named Inventor		Sae	Saed	
TRAMOMÍTTAI		T	Group Art Unit		Not yet assigned		
		<i>ل</i> ـــالــــا	Examiner Name		Not yet assigned		
FORM			Attorney Docket No.		ICE-019CP1		
		Patent No.			Not	t applicable	
			Issue Date		No	t applicable	
		EN	CLOSURES (c.	heck all that apply)	-		
☐ Fe	e Transmittal Form		Copy of Notice	e to File Missing		Notice of Appeal to Board	
	☐ Check Attached		Parts of Applic	cation		of Patent Appeals and Interferences	
	Copy of Fee Transmittal Form		Formal Drawin	ng(s)		Appeal Brief (in triplicate)	
	Amendment/Response		Request For C Examination (Status Inquiry	
	☐ Preliminary ☐ After Final		Transmittal		⊠	Return Receipt Postcard	
Affidavits/declaration(s) Letter to Official Draftsperson		Power of Attorn (Revocation of			⊠	Certificate of First Class Mailing under 37 C.F.R. 1.8	
	including Drawings [Total Sheets]		Terminal Disclaimer			Certificate of Facsimile Transmission under 37 C.F.R. 1.8	
	Petition for Extension of Time		Executed Declaration and Power of Attorney for Utility or Design Patent Application		⊠	Additional Enclosure(s) (please identify below)	
	Information Disclosure Statement		Small Entity Statement			Assignment	
	Form PTO-1449 Copies of IDS Citations		CD(s) for large	e table or computer			
	Certified Copy of Priority		Amendment A	fter Allowance			
	Document(s) Sequence Listing submission Paper Copy/CD Computer Readable Copy Statement verifying identity of above Request for Co Correction duplicate duplicate		of Correction (in				
CORR	RESPONDENCE ADDRESS	garanea a maranda a	Magnetical constants, surresponding and the Articles of the Constant	SIGNATURE BL	OCK	Respectfully submitted,	
Direct all correspondence to: Patent Administrator Testa, Hurwitz & Thibeault, LLP High Street Tower 125 High Street Boston, MA 02110 Tel. No.: (617) 248-7000 Fax No.: (617) 248-7100			Date: December 9, Reg. No.: 52,892 Tel. No.: (617) 310 Fax No.: (617) 248	-8471	Izson P. Fiorillo Attorney for Applicant Testa, Hurwitz & Thibeault, LLP High Street Tower 125 High Street Boston, MA 02110		



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S):

Saed

SERIAL NO.:

10/641,371

GROUP NO.: Not yet assigned

FILED:

08/13/2003

EXAMINER: Not yet assigned

TITLE:

ADAPTIVE PREDISTORTION FOR A TRANSMIT SYSTEM

WITH GAIN, PHASE, AND DELAY ADJUSTMENTS

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST REVOCATION OF PRIOR POWERS AND NEW POWER OF ATTORNEY

Sir:

As assignee of record of the entire right, title and interest of the above-identified patent application, all powers of attorney previously given are hereby revoked, and the following attorneys and/or agents are hereby appointed to prosecute and transact all business in the U.S. Patent and Trademark Office connected therewith.

Andrew F. Abramson	Reg. No. 52,538
Steven M. Bauer	Reg. No. 31,481
Mark L. Beloborodov	Reg. No. 50,773
Robert S. Blasi	Reg. No. 50,389
Michael H. Brodowski	Reg. No. 41,640
Jennifer A. Camacho	Reg. No. 43,526
Joseph A. Capraro, Jr.	Reg. No. 36,471
Fangli Chen	Reg. No. 51,551
Christopher H. Chung	Reg. No. 50,351
John J. Cotter	Reg. No. 38,116
James C. De Vellis	Reg. No. 52,814
Robert V. Donahoe	Reg. No. 46,667
Brian A. Fairchild	Reg. No. 48,645
James E. Fajkowski	Reg. No. 54,089
Jason P. Fiorillo	Reg. No. 52,892
John V. Forcier	Reg. No. 42,545
Steven J. Frank	Reg. No. 33,497
Kia L. Freeman	Reg. No. 47,577
Brian M. Gaff	Reg. No. 44,691
Edward A. Gordon	Reg. No. 54,130
Duncan A. Greenhalgh	Reg. No. 38,678
William R. Haulbrook	Reg. No. 53,002
Ira Heffan	Reg. No. 41,059

Power Of Attorney By Assignee Of Entire Interest Revocation Of Prior Powers and New Power of Attorney Serial No. 10/641,371 Page 2 of 3

Douglas J. Kline	Reg. No. 35,574
M. Brad Lawrence	Reg. No. 47,210
William A. Meunier	Reg. No. 41,193
Thomas C. Meyers	Reg. No. 36,989
Jennifer G. Moitoso	Reg. No. 51,752
Ronda P. Moore	Reg. No. 44,244
Jeremy P. Oczek	Reg. No. 50,794
Jamie H. Rose	Reg. No. 45,054
Christopher W. Stamos	Reg. No. 35,370
Diana M. Steel	Reg. No. 43,153
Robert J. Tosti	Reg. No. 35,393
Thomas A. Turano	Reg. No. 35,722
Natasha C. Us	Reg. No. 44,381
Christine C. Vito	Reg. No. 39,061
Daniel A. Wilson	Reg. No. 45,508
Gerald E. Worth	Reg. No. 45,238

Assignee also hereby grants additional Powers of Attorney to the attorneys and/or agents named above to file and prosecute foreign national patent applications in any and all countries of the world, a regional patent application under the European Patent Convention and/or an international application under the Patent Cooperation Treaty based upon the above-identified application, including a power to meet all designated office requirements for designated states.

All future correspondence should be sent to:

Patent Administrator Testa, Hurwitz & Thibeault, LLP High Street Tower 125 High Street Boston, MA 02110

PLEASE ASSIGN PTO CUSTOMER NUMBER <u>021323</u> TO THIS APPLICATION

The assignee of record of the entire right, title and interest of the above-identified application is:

IceF	yre Semiconductor Corporation				
300	- 411 Leggett Drive				
Kan	ata, Ontario				
Canada K2K 3C9					
	Recorded in PTO on Reel No.:				
\boxtimes	Frame No.: Submitted herewith				

Power Of Attorney By Assignee Of Entire Interest Revocation Of Prior Powers and New Power of Attorney Serial No. 10/641,371 Page 3 of 3

Respectfully submitted,

Dated: <u>Nav 27, 2007</u>

Jung Yee
Chief Technology Officer

IceFyre Semiconductor Corporation

300 - 411 Leggett Drive

Kanata, Ontario Canada K2K 3C9

41817-0053

ASSIGNMENT

THIS ASSIGNMENT, made by Aryan Saèd (hereinafter referred to as the assignor) whose post office address is, 812-265 Poulin Avenue, Ottawa, Ontario, K2B 7Y8, Canada

WHEREAS, the said assignor is the inventor of the invention entitled ADAPTIVE PREDISTORTION FOR A TRANSMIT SYSTEM WITH GAIN, PHASE AND DELAY ADJUSTMENTS, which is a continuation in part of US Serial No. 10/613,856 filed July 3, 2003 and holds the right to file patent application(s) therefor and to obtain patent(s) thereon, which invention is the subject of a U.S. patent application the declaration for which has been executed by the assignor on the date of his/her execution of this Assignment;

WHEREAS, IceFyre Semiconductor Corporation, a corporation duly organized under and pursuant to the laws of Canada, having its principal place of business at Suite 300, 411 Legget Drive, Kanata, Ontario, K2K 3C9, Canada, hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said invention, said patent applications and the patents to issue therefrom and all other patent applications which may have been or may be filed in any country:

NOW THEREFORE, in consideration of ten dollars (\$10.00) and other good and sufficient considerations, the receipt of which is hereby acknowledged, the said assignor has sold, assigned, transferred and set over, and by these presents sells, assigns, transfers and sets over unto the assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above mentioned invention and application for Patent and any and all corresponding applications and patents in the United States of America, Canada and any and all other countries, which have been or may be filed and/or granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said applications, reissues and extensions of Patent, and all rights under any International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the said assignee, for itself and its successors, legal representatives and assigns, to the full end of the term or terms for which Patent(s) may be or may have been granted.

AND for the same consideration, the said assignor hereby covenants and agrees to and with the said assignee, its successors, legal copresentatives and assigns, that, at the time of execution and deliver of these presents, the said assignor is an inventor of the said invention;

AND for the same consideration, the said assignor hereby covenants and agrees to and with the said assigned, its successors, legal representatives and assigns that the said assignor will, whenever counsel for the said assignee, or the counsel for its successors, legal representatives and assigns shall advise that any proceeding in connection with the said invention, or said applications for Patent(s) or any proceeding in connection with Patent(s) for said invention in any country, including interference or conflict proceedings, is lawful and desirable, or that any division, continuation or continuation-inpart of any application for Patent(s) or any reissue or extension of any Patent(s) to be obtained thereon, is lawful and desirable, sign any and all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defence of Patent(s) or for the said invention, without charge to said assignee, its successors, legal representatives and assigns, but at the cost and expense of the said assignee, its successors, legal representatives and assigns.

The undersigned assignor, and the assignee hereto, hereby authorize the firm of Cassan Maclean whose full office address is 401-80 Aberdeen Street, Ottawa, Ontario, Canada K1S 5R5, to correct elerical errors in this Assignment or to insert any further identification or other information necessary or desirable to make this Assignment suitable for recordal in a domestic or foreign Office.

SIGNED at Ottawa, Ontario, this 3 day of Argust, 2003.

Aryan Saèd

STATEMENT OF WITNESS

I, DM SANDERSON, whose full post office address is IN CRAPTERS

CROWE, DUNROGN, ON. CANADA KOA ITO

was personally present and did see Aryan Saèd, who is known to

me, execute the above assignment.

(signature of witness)